

New & neo-cartography

generated by you

Sanjana Hattotuwa

TED Fellow

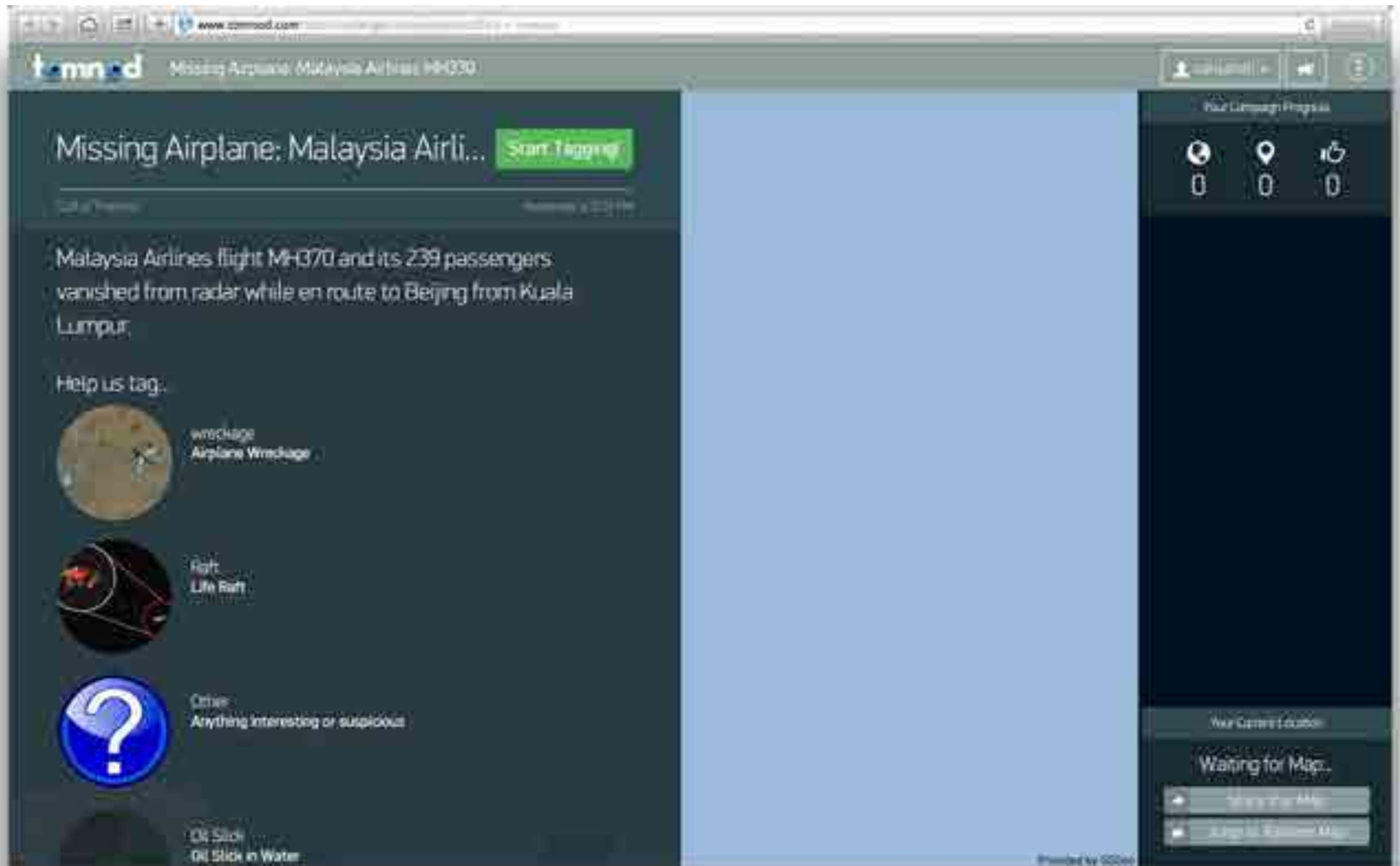
Special Advisor, ICT4Peace Foundation

today

crowdsourcing map analysis and creation

parcelling out large data analytics

<http://tomnod.com>



digital humanitarians | new communities

<http://digitalhumanitarians.com>



digital humanitarians

<http://bit.ly/lS7yaE>

7,000+ images

105,000+ clicks (tweets + images)

Makati (**Philippines**), Cape Town (**South Africa**), Canberra & Gold Coast (**Australia**), Berkeley, Brooklyn, Citrus Heights & Hinesburg (**US**), Kamloops (**Canada**), Paris & Marcoussis (**France**), Geneva (**Switzerland**), Sevilla (**Spain**), Den Haag (**Holland**), Munich (**Germany**) and Stokkermarke (**Denmark**)

No prior experience or training necessary.

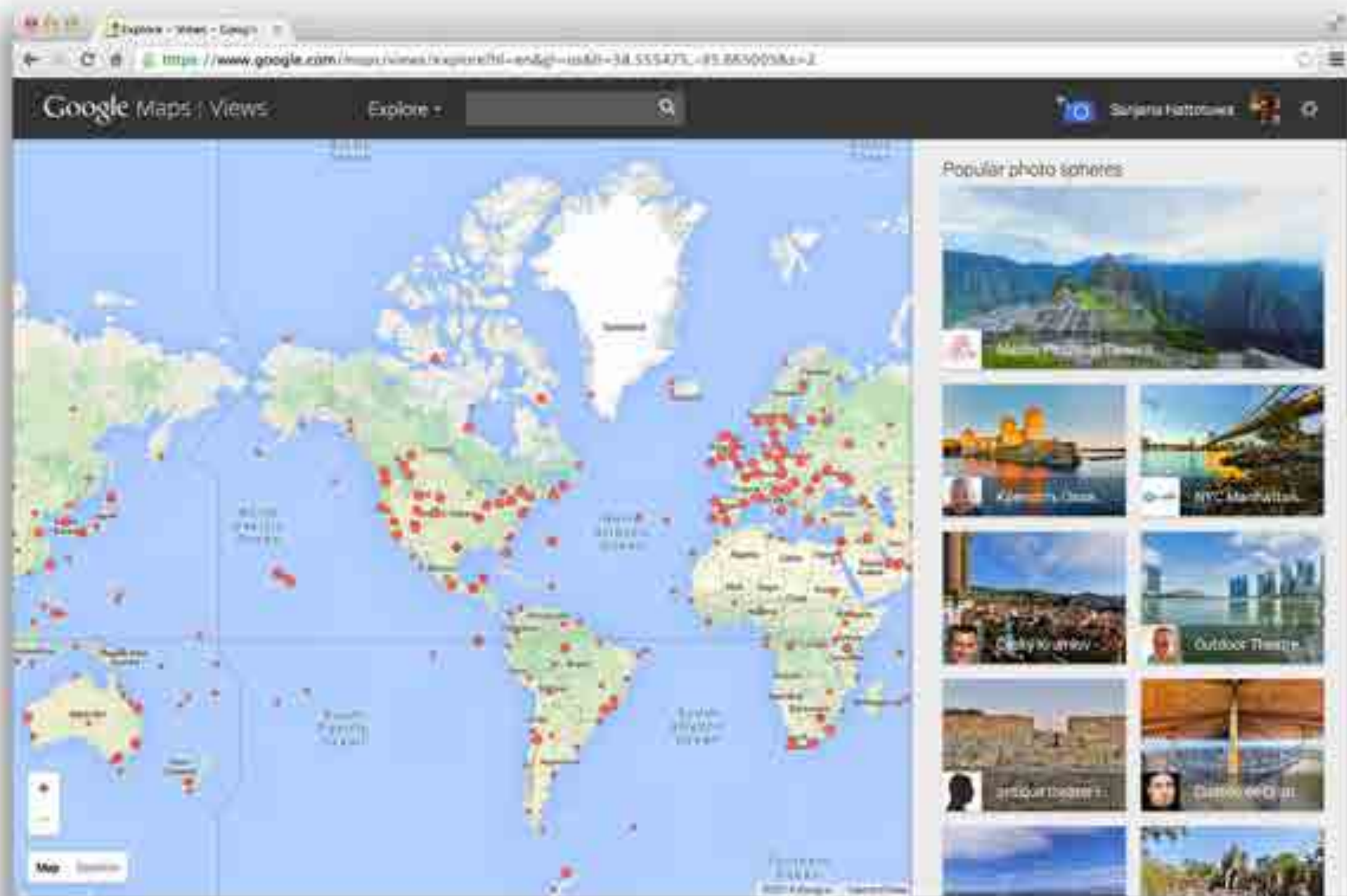
Anyone who knows how to use a computer mouse can become a digital humanitarian.

google

maps we use, now create

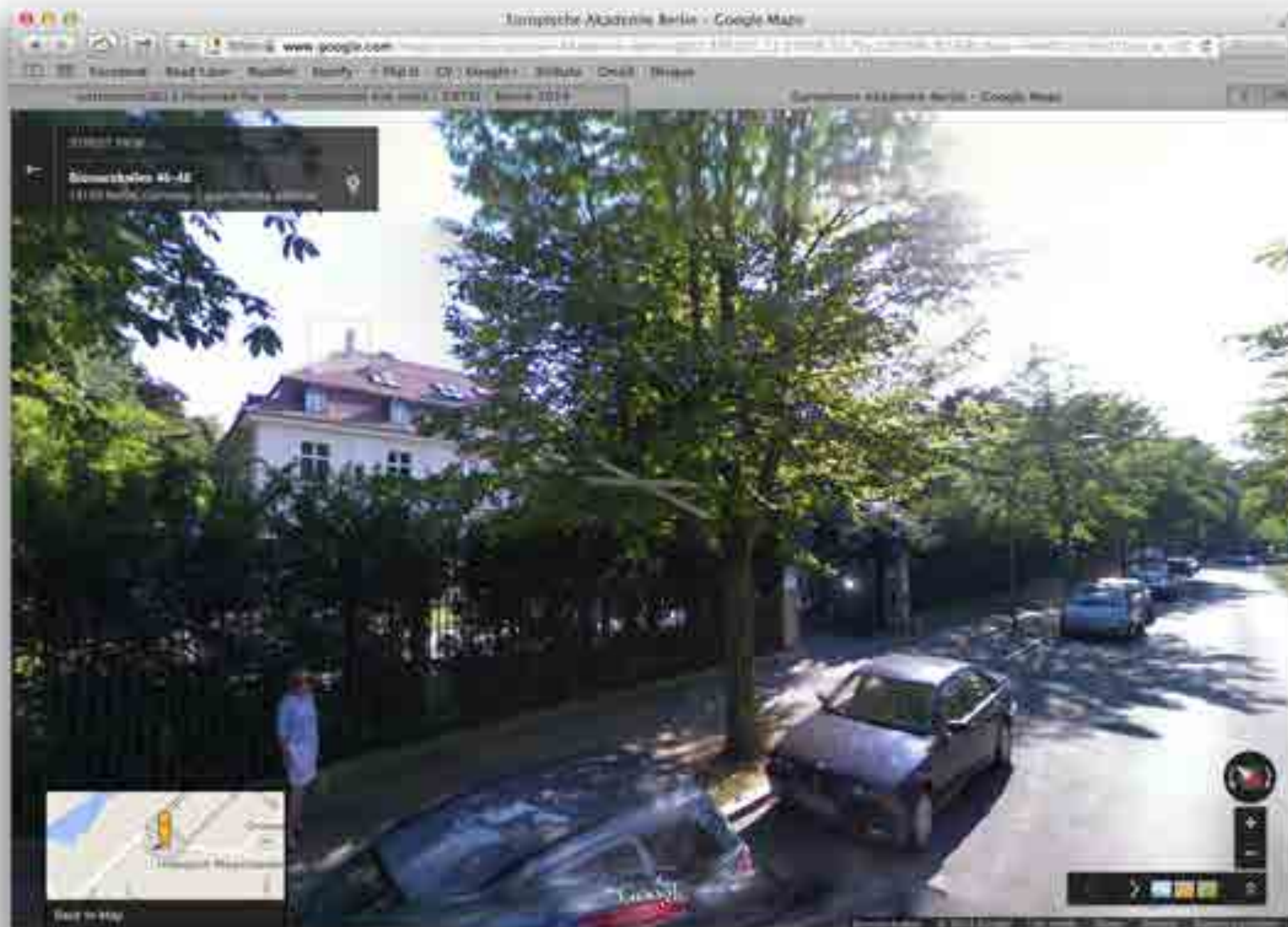
Android Photo Sphere

<http://www.google.com/maps/about/contribute/photosphere/>



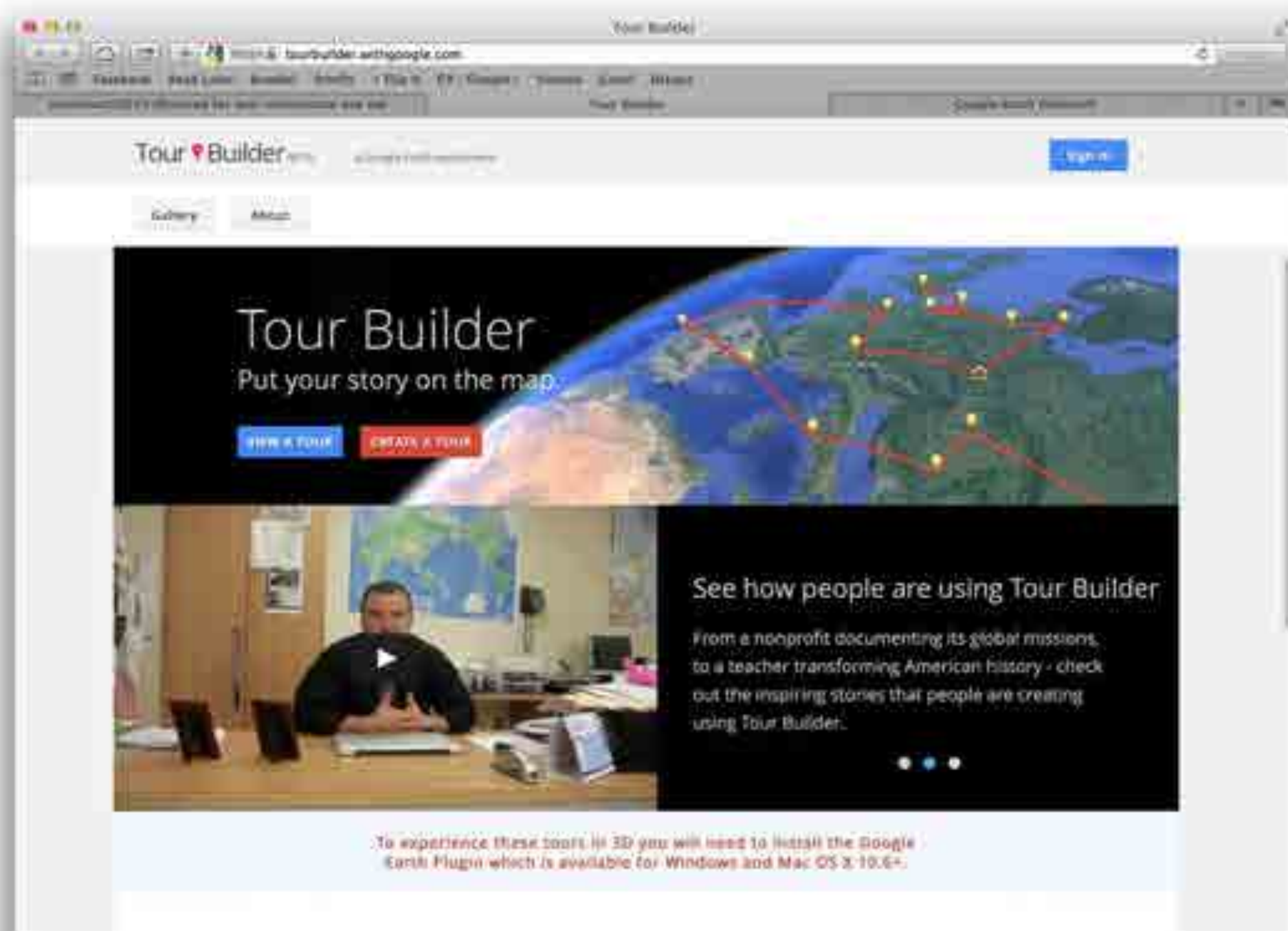
Google Street View

<https://maps.google.com>



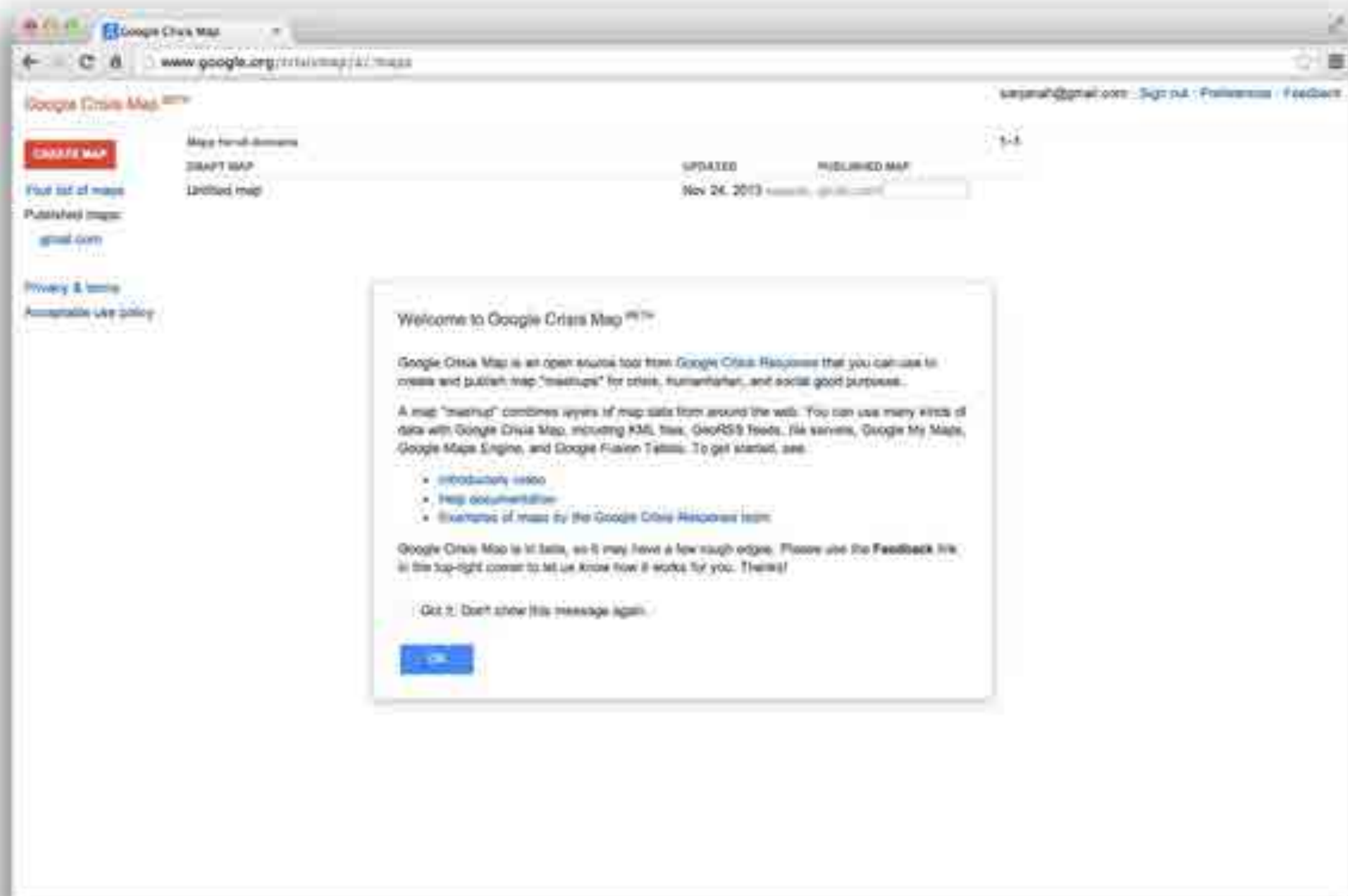
Google Tour Builder

<https://tourbuilder.withgoogle.com>



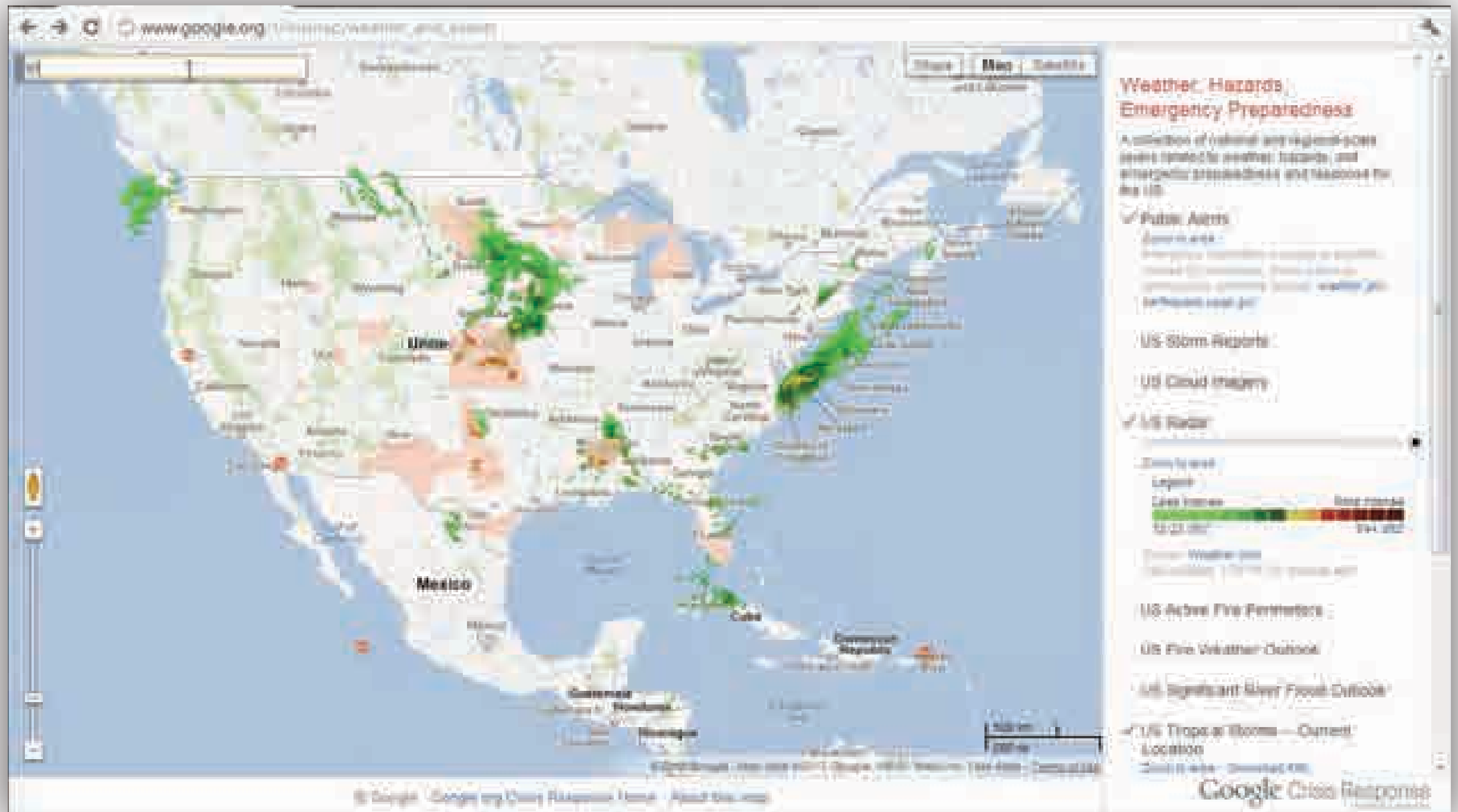
Google Crisis Map

<http://www.google.org/crisismap>



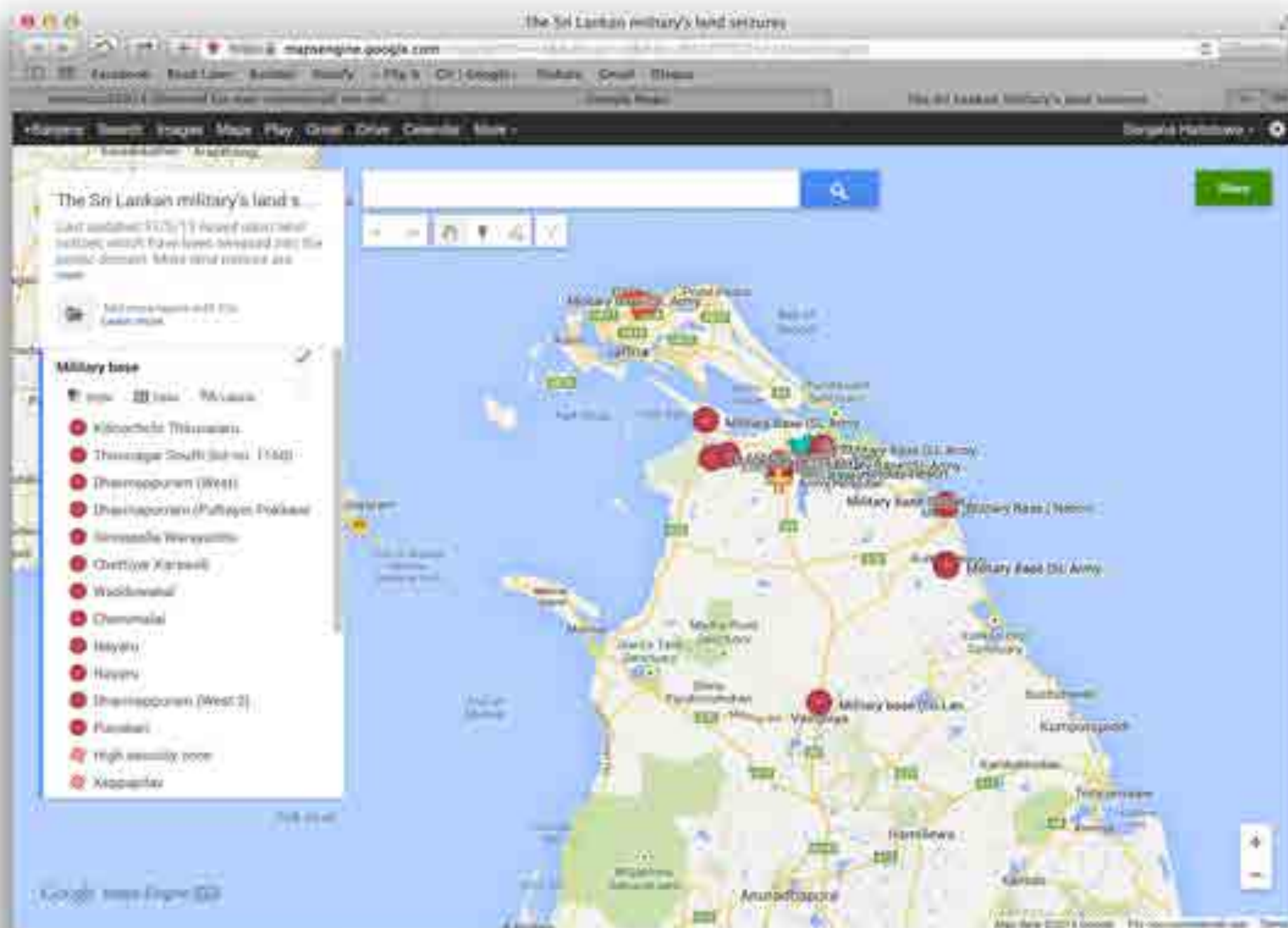
google crisis map

<http://www.google.org/crisismap>



google maps personal

<https://maps.google.com>



google maps engine lite

<https://mapsengine.google.com/map/?pli=1>



google maps engine lite

<https://mapsengine.google.com/map/?pli=1>

Compare Editions

| Features | Maps Engine Lite <i>Create and share maps with friends and family</i> | Maps Engine Pro <i>Map creation tool for the business professional</i> | Maps Engine <i>Fully supported, cloud-based mapping platform</i> |
|--|--|--|---|
| Map size | Hundreds of points, lines, or polygons (3 layers) | Thousands of points, lines, or polygons (10 layers) | Millions of points, lines, or polygons |
| Import types | Spreadsheet or CSV | Spreadsheet or CSV | Spreadsheet, CSV, KML, Shape files, and images Learn more |
| Geocoding | Up to 100 addresses per layer | Up to 2000 addresses per layer | Up to 100K addresses per dataset Learn more |
| Map styling | Basic | Basic | Advanced |
| Drawing tools | Yes | Yes | No |
| Developer APIs | No | No | Yes Learn more |
| Map publishing | Share or embed with the Google viewer | Share or embed with the Google viewer | Publish on the web or use in your apps |
| Imagery and floorplans | No | No | Yes |
| GIS interoperability and connector tools | No | No | Safe Software data loader (download), ESRI (download) and QGIS tools (download) |
| Pricing | Free for non-commercial use Try Now | Per seat Learn more Buy for myself Buy for my organization Learn more | Usage based Learn more Try for free Contact sales Learn more |

ushahidi

from kenya to the world

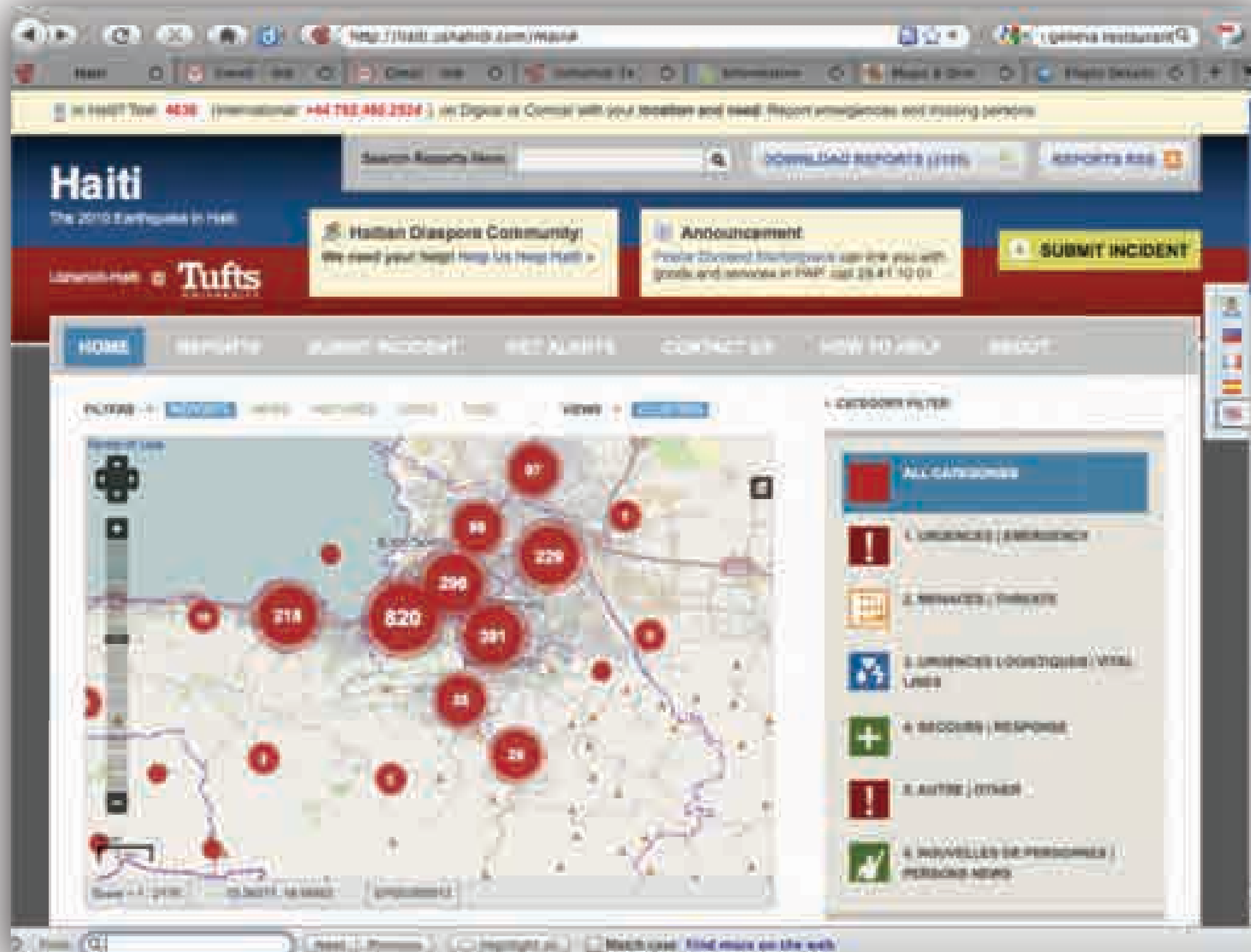
ushahidi

<http://www.ushahidi.com>



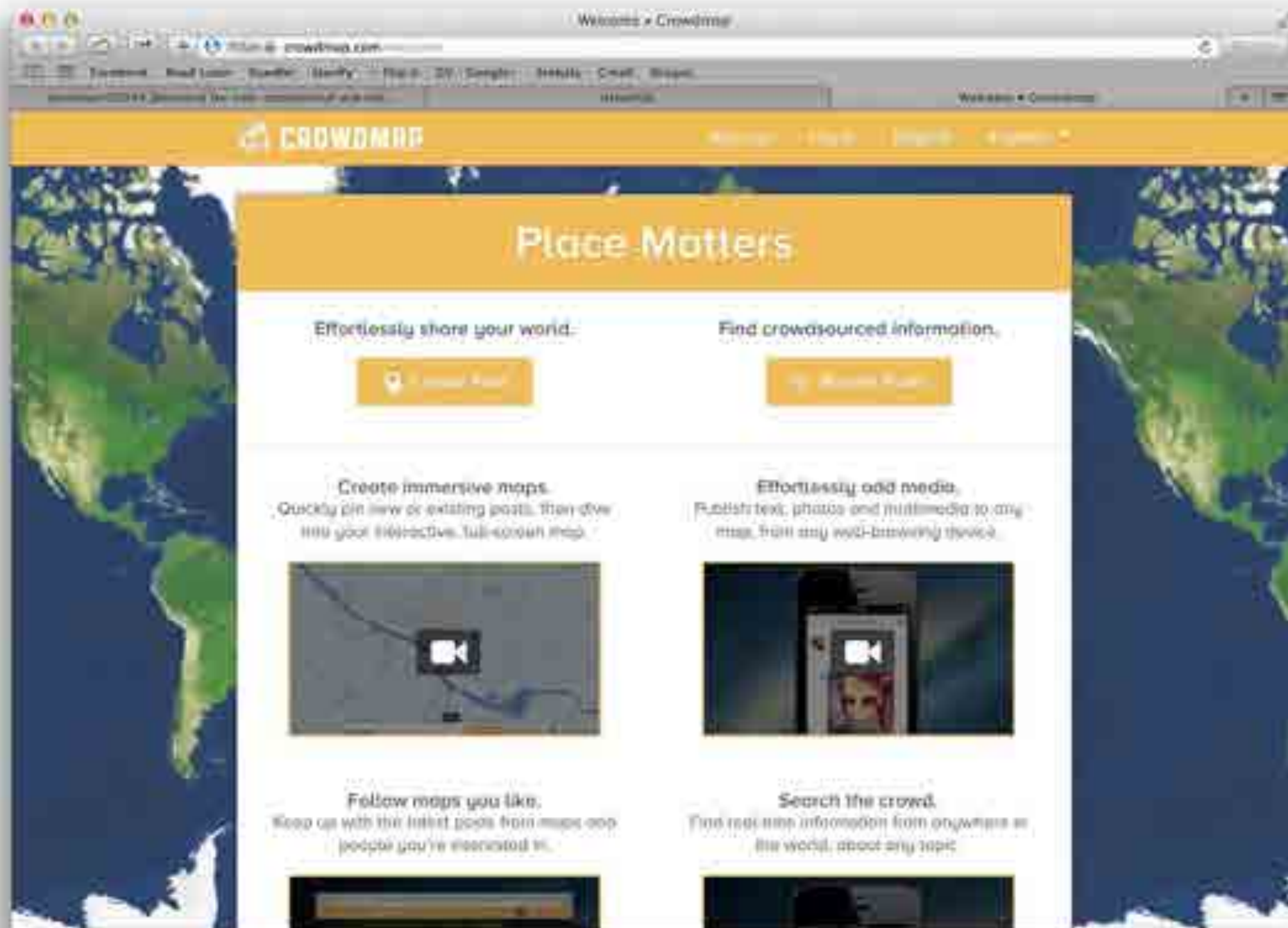
ushahidi

<http://www.ushahidi.com>



crowd map | hosted ushahidi

<https://crowdmap.com/welcome>



ushahidi app

on iTunes and Google App Store

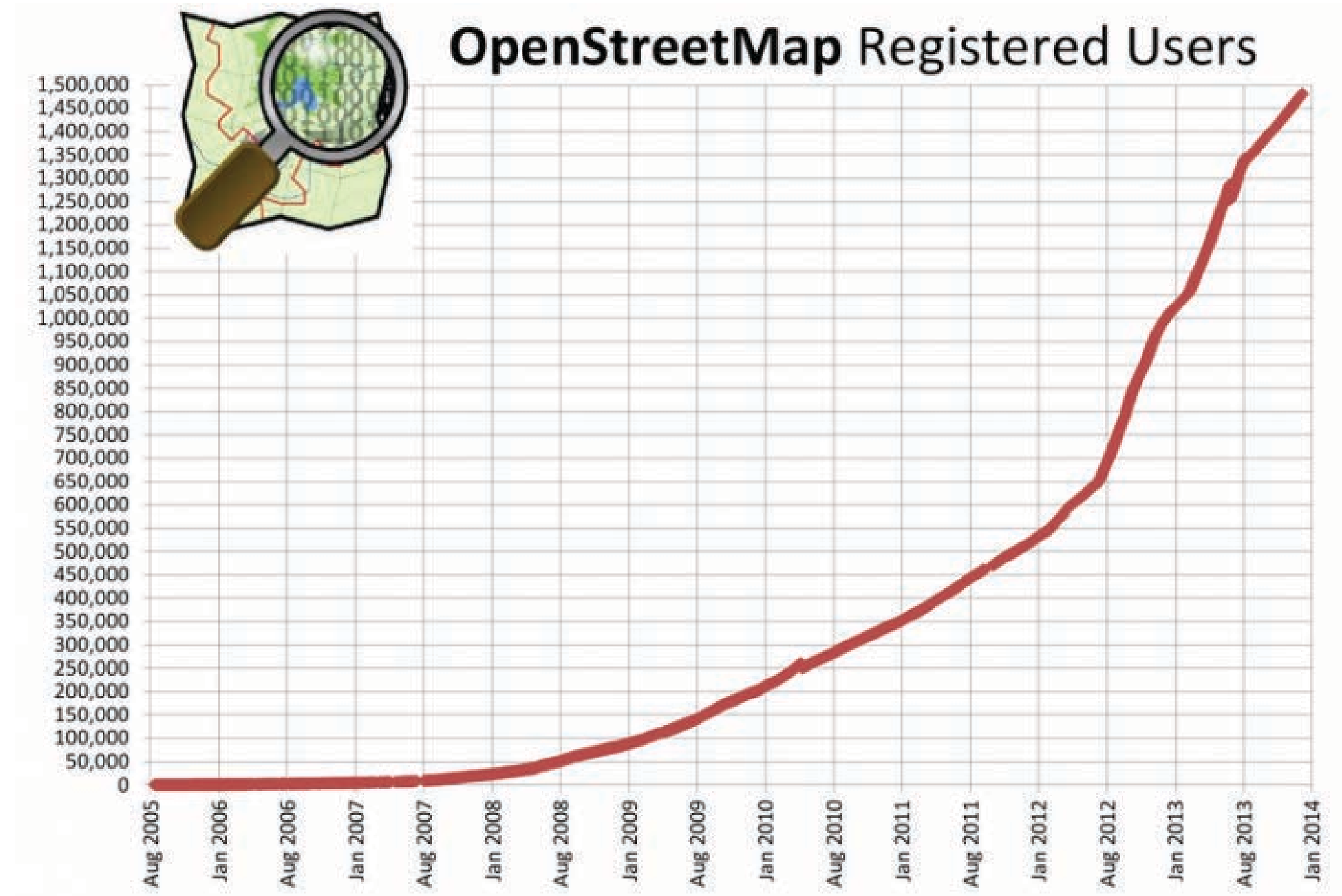


osm

the wikipedia of maps

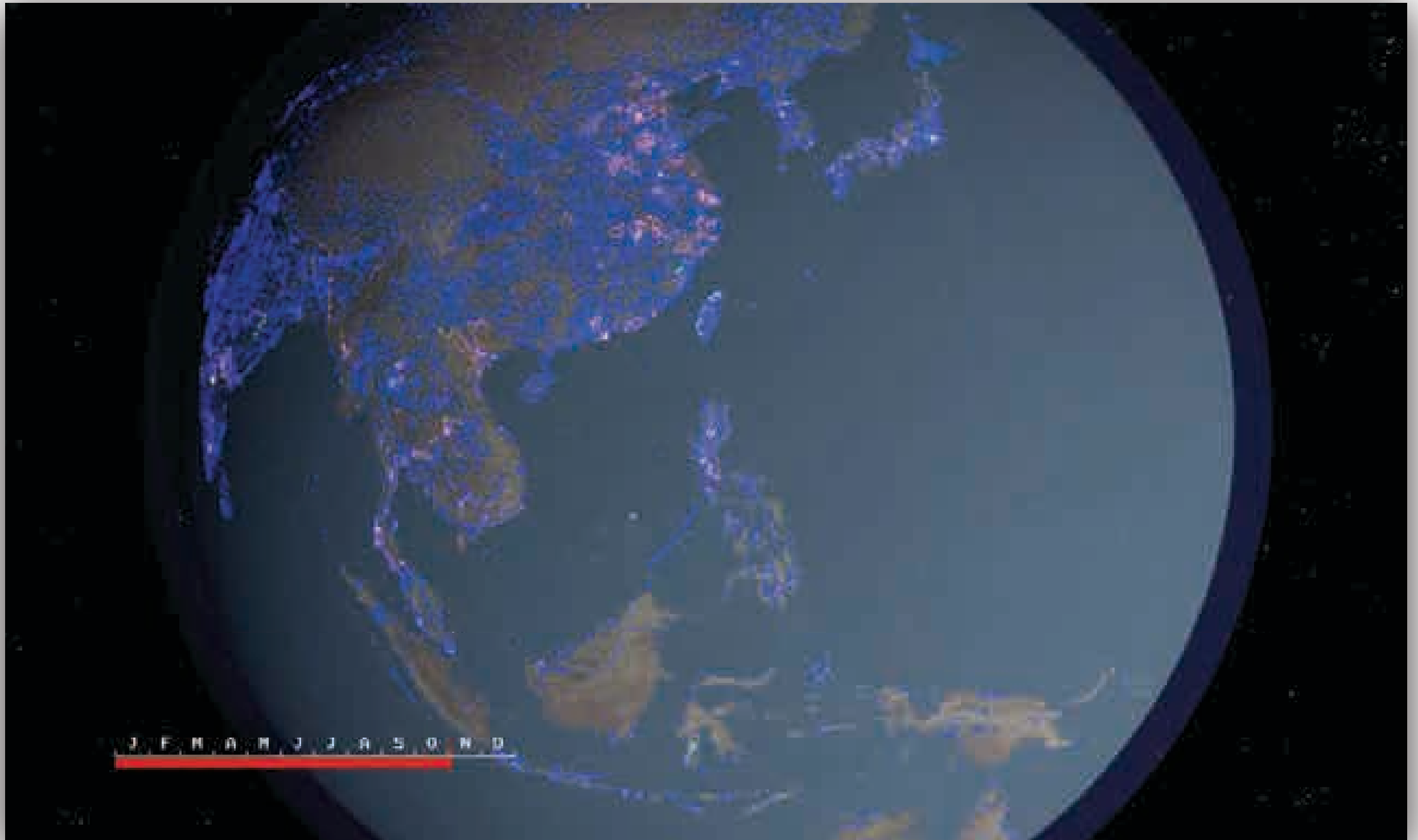
Open Street Maps

<http://www.openstreetmap.org>



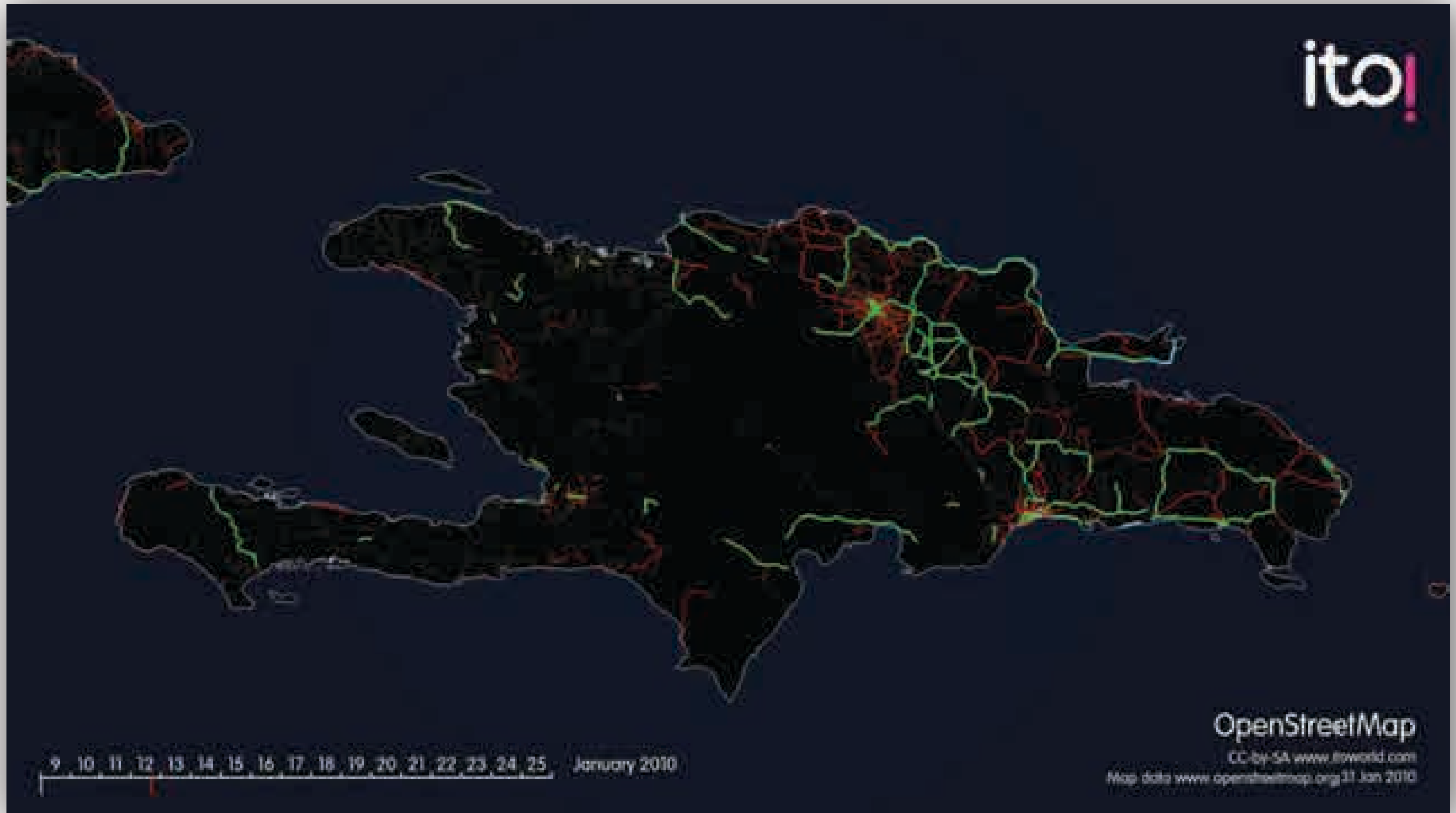
Open Street Maps

<https://vimeo.com/83164362>



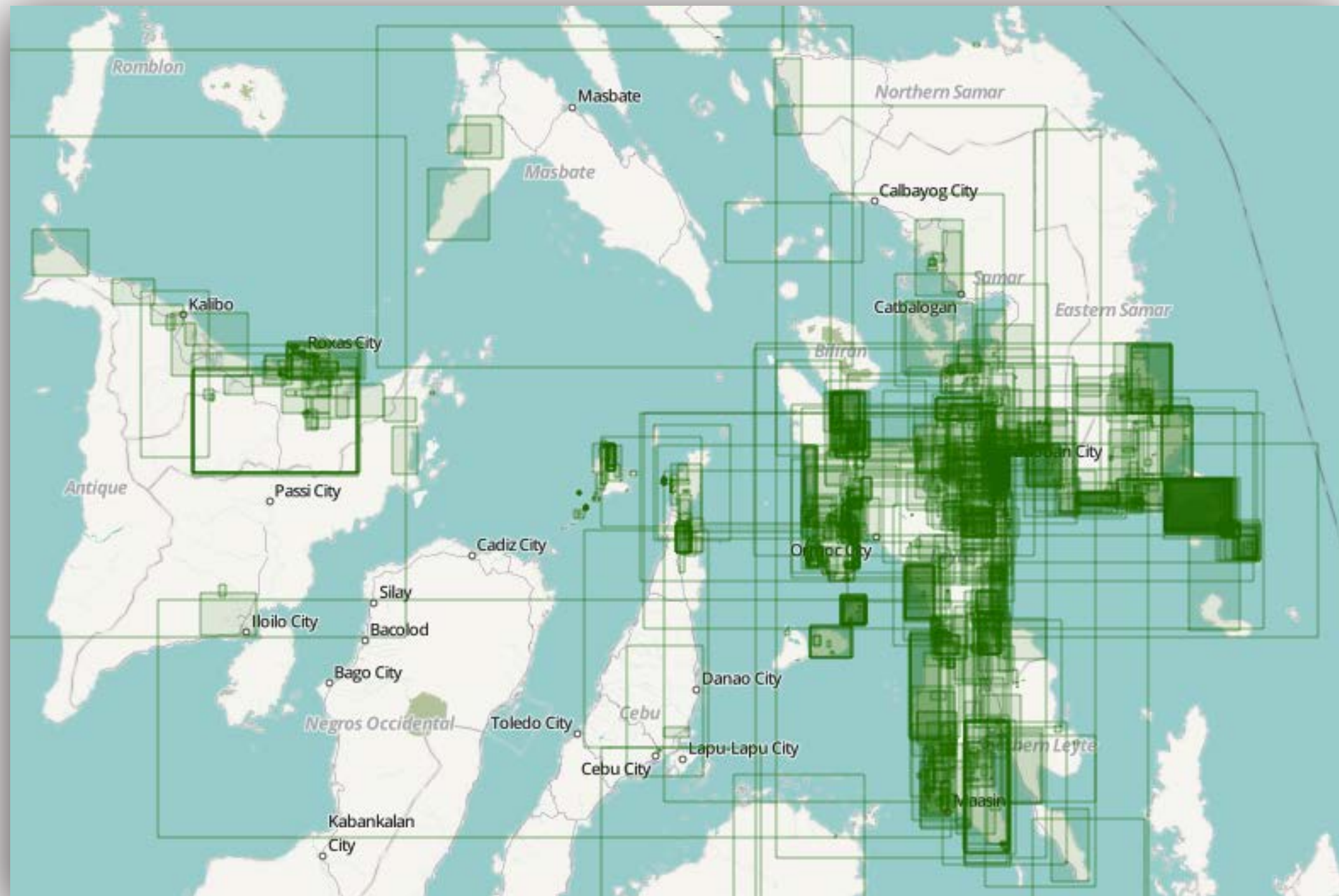
mapping today

haiti before and after the earthquake



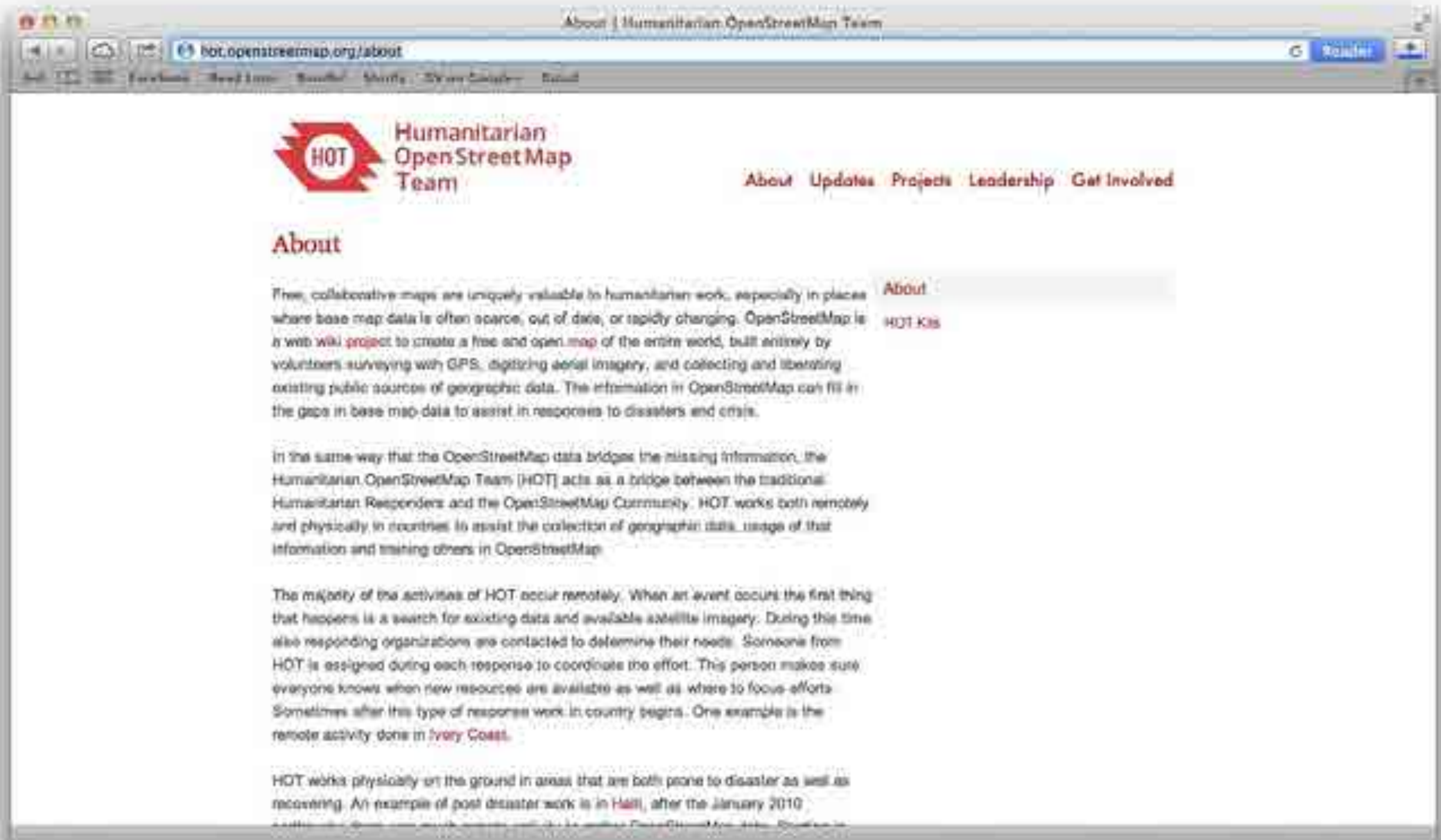
Open Street Maps

<http://www.openstreetmap.org>



Open Street Maps

<http://hot.openstreetmap.org>



grassroots mapping

kites and balloons

grassroots mapping | new cartographies

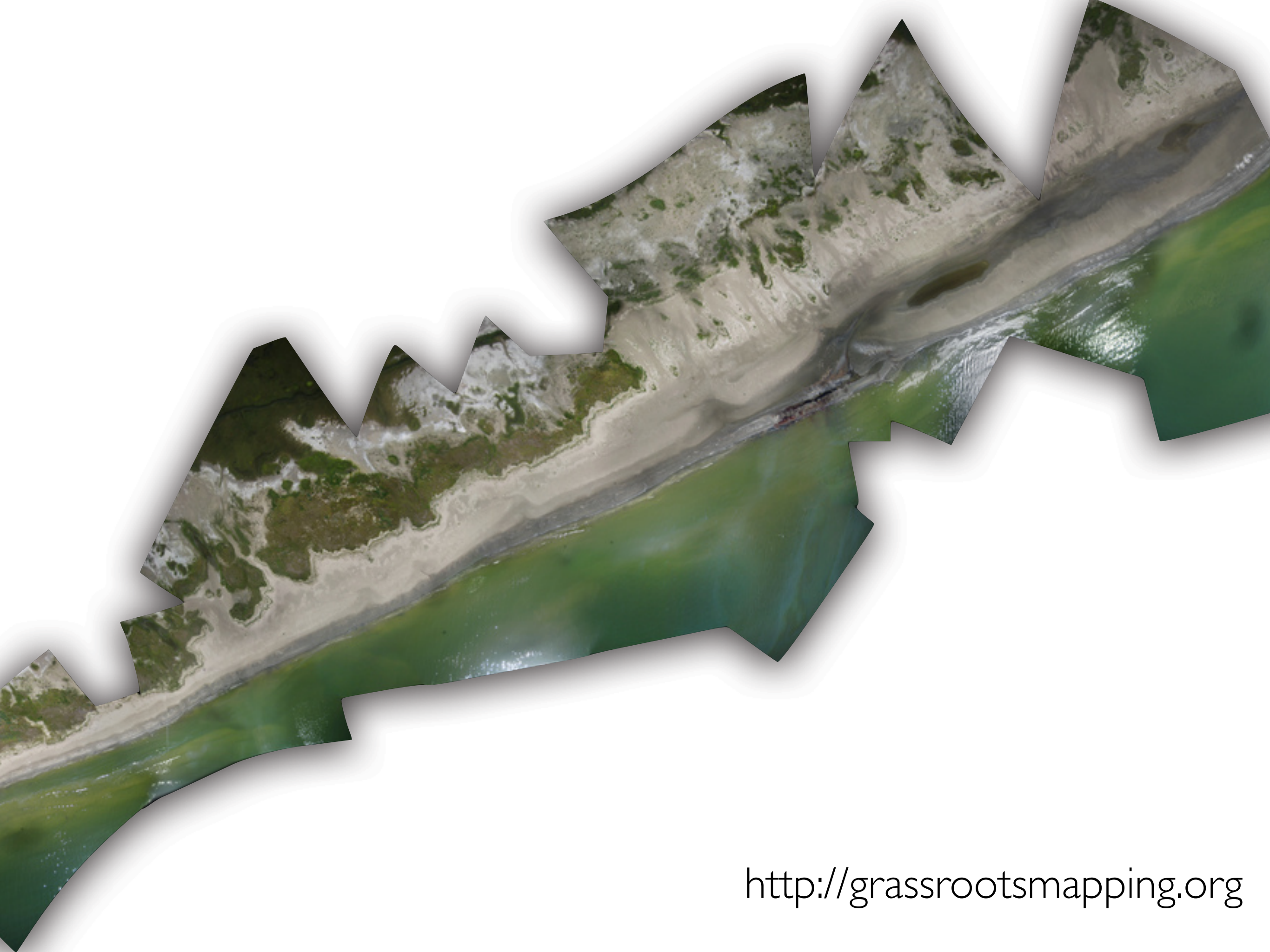
http://publiclaboratory.org/sites/default/files/4445981062_73945db207_b_2.jpg



grassroots mapping | new cartographies

http://publiclaboratory.org/sites/default/files/4445981062_73945db207_b_2.jpg






<http://grassrootsmapping.org>

grassroots mapping | new cartographies

<http://grassrootsmapping.org/gulf-oil-spill>

|  <h1>Grassroots Mapping</h1> <p>About What Join Get Data Comments Get Started</p> | | | | | | | | | | | | |
|---|-----------|------------|---|---------------------------------------|-----------------------------------|---------------------------------|---|-------------------------|--|-----------|---|------|
| <h2>Data</h2> <p>June 18th, 2010 by Jeffrey Warner</p> <p>This work is dedicated to the Public Domain as well as under the CCO waiver. For the complete data catalog, including notes, trip leaders, etc. see our Google Spreadsheet.</p> | | | | | | | | | | | | |
| latitude | longitude | resolution | packaged zip file URL | GeoTiff URL | KML Google Earth/Map URL | OpenLayers URL | Link to photos on Flickr | Stitch value notes | Who stitched it or who's working on it | Date | Dataset Name | Disk |
| 30 | -89 | varies | http://peds | n/a | n/a | n/a | http://www | separate oblique stitch | Stewart | 5/4/2010 | PSDS, multiple | |
| 29.163948 | -90.23771 | 21cm | http://grass | http://maps | http://ma | http://m | http://flickr | 100% map | Stewart Lo | 5/4/2010 | 20100507LouisianaNewOrleansLakefrontAirpo | |
| 29.663002 | -88.76951 | 48cm | http://grass | http://maps | http://ma | | http://flickr | 100% map | Jeff Warner | 5/7/2010 | 20100507LouisianaPortFourchon | |
| 29.601606 | -88.86451 | 9cm | http://grass | http://maps | http://ma | http://m | http://flickr | 100% map | Stewart Lo | 5/8/2010 | 20100508LouisianaChandeleurNE | |
| 29.260457 | -89.95011 | | http://grass | | | | | 50% rough map, holes | Stewart(dix | 5/9/2010 | 20100509LouisianaChandeleurSW | |
| 30.240216 | -88.12361 | | http://grass | n/a | n/a | n/a | n/a | 25% little data, no dis | Stewart | 5/10/2010 | 20100510LouisianaGrand Isle | |
| 30 | -89 | | http://peds | n/a | n/a | n/a | http://www | separate oblique stitch | Stewart | 5/15/2010 | PSDS2 | |
| 29.260457 | -89.95011 | varies | http://grass | | | | http://www | 100% map | Stewart | 5/18/2010 | 20100519LouisianaGrand Isle | |
| 30.344306 | -89.14601 | 3cm | http://grass | http://maps | http://ma | http://m | http://www | 100% map | Jeff Warner | 5/19/2010 | Long Beach, MS | |
| 29.651856 | -89.46761 | | http://grass | | | | | 50% rough map, holes | | 5/20/2010 | 20100521LouisianaLakeFortuna | |
| 29.260457 | -89.95011 | 6.75 | http://grass | http://maps | http://ma | http://m | http://www | 100% map | stewart | 5/22/2010 | 20100527LouisianaIsleGrandTerre | |
| 30.268001 | -89.38781 | | http://maps | | | | | 100% map | Stewart | 5/27/2010 | 20100529MississippiWaveford | |
| 29.645766 | -90.13171 | | | | | | | 50% some clear imag | | 5/28/2010 | 20100530LouisianaBaratariaBay | |
| 30.344306 | -89.14601 | | http://maps | | | | | 40% kinda blurry, low | | 5/30/2010 | 20100602MississippiLongBeach | |
| 29.260457 | -89.95011 | | http://maps | | | | http://www | 80% off angle, holes | Stewart | 6/2/2010 | 20100603LouisianaGrand Isle | |

drones

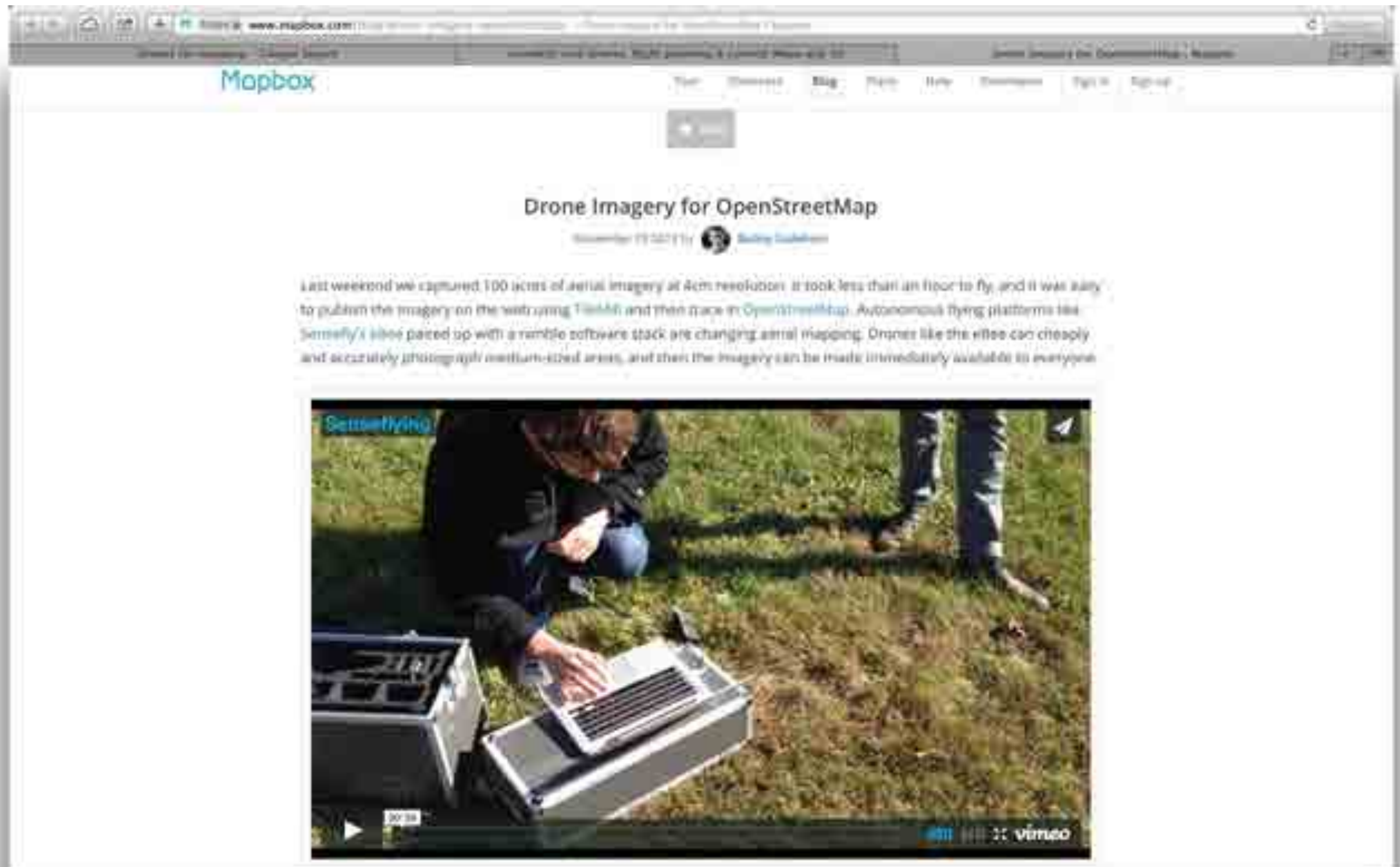
remote eyes

drones in humanitarian aid



drones for open street maps

<https://www.mapbox.com/blog/drone-imagery-openstreetmap>



community mapping

helping see community

<http://mapkibera.org>

Kibera in Nairobi, Kenya, was a blank spot on the map until November 2009, when young Kiberans created the first free and open digital map of their own community. Map Kibera has now grown into a complete interactive community information project.



programs

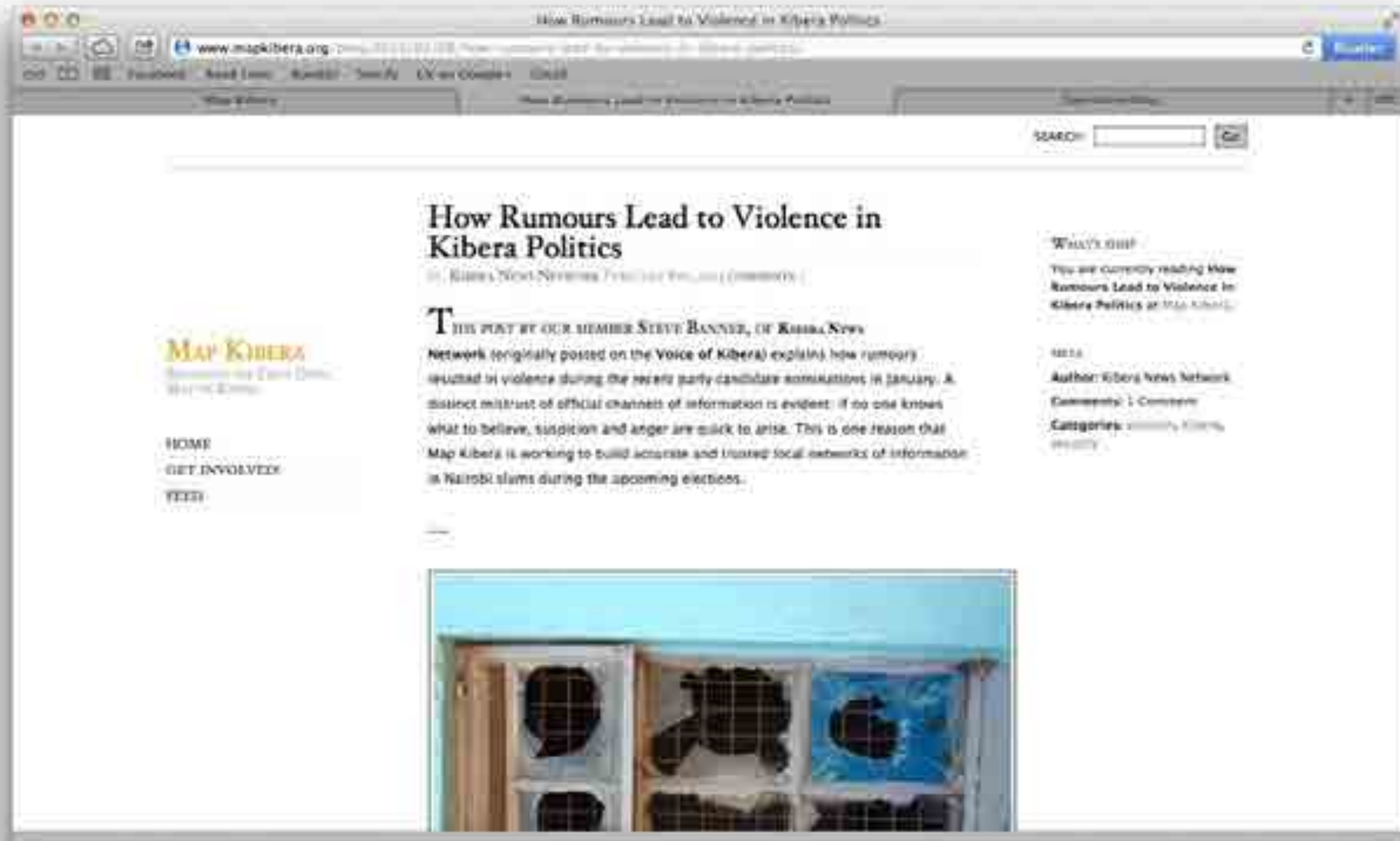
Mapping

Voice of Kibera

Kibera News
Network

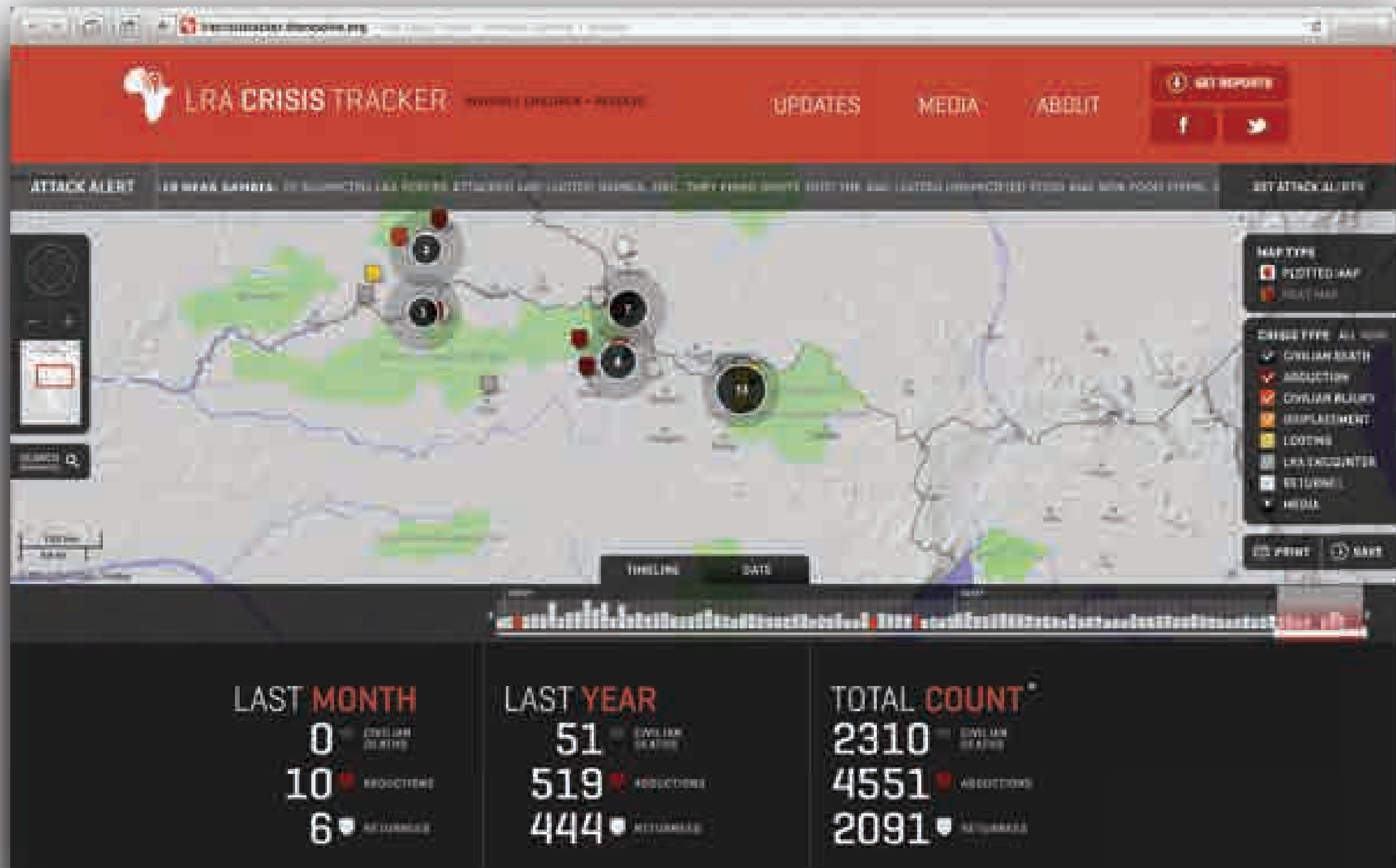
map kibera community mapping

<http://mapkibera.org>



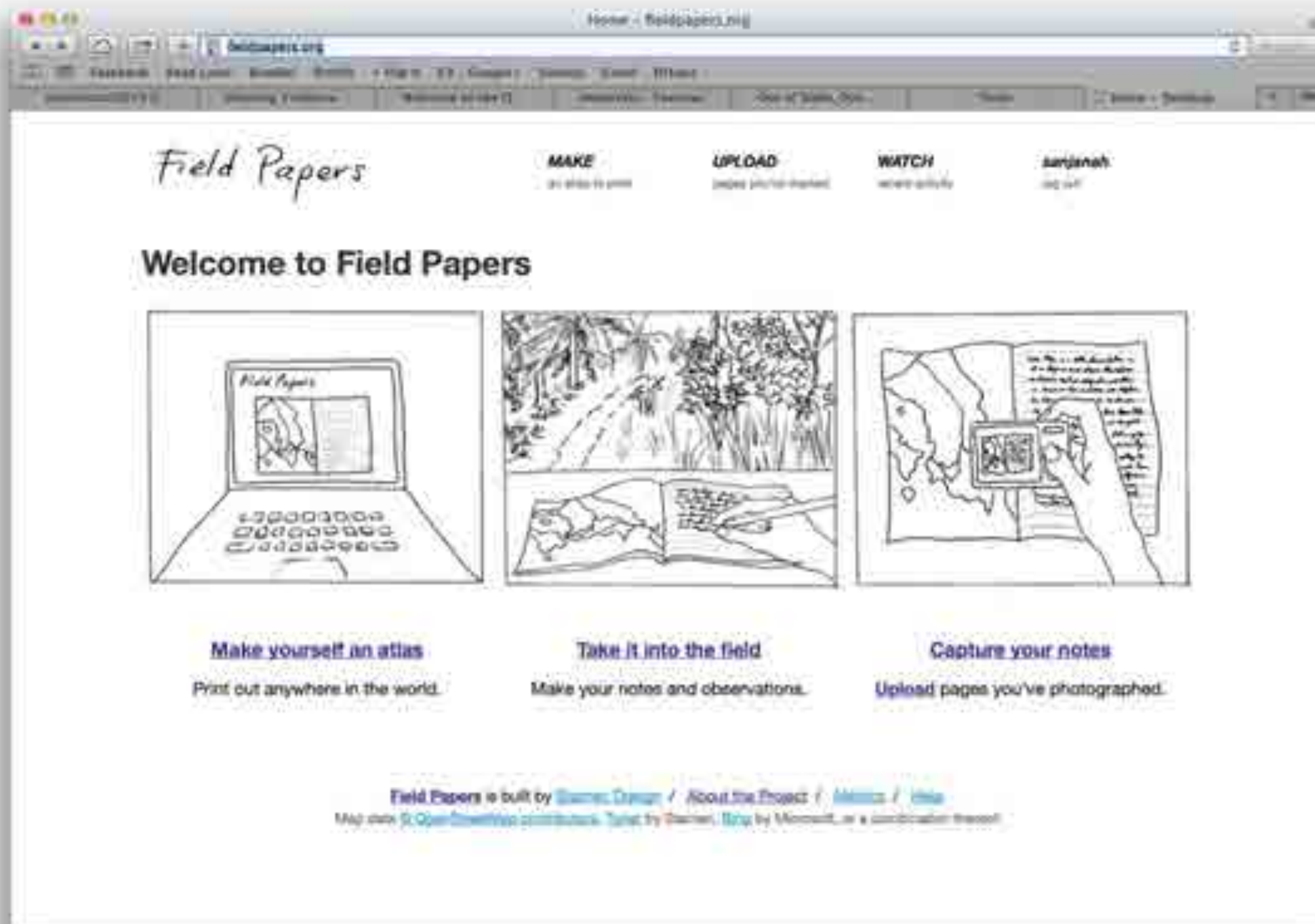
LRA crisis tracker

<http://lra-crisistracker.theresolve.org>



field papers

<http://fieldpapers.org>

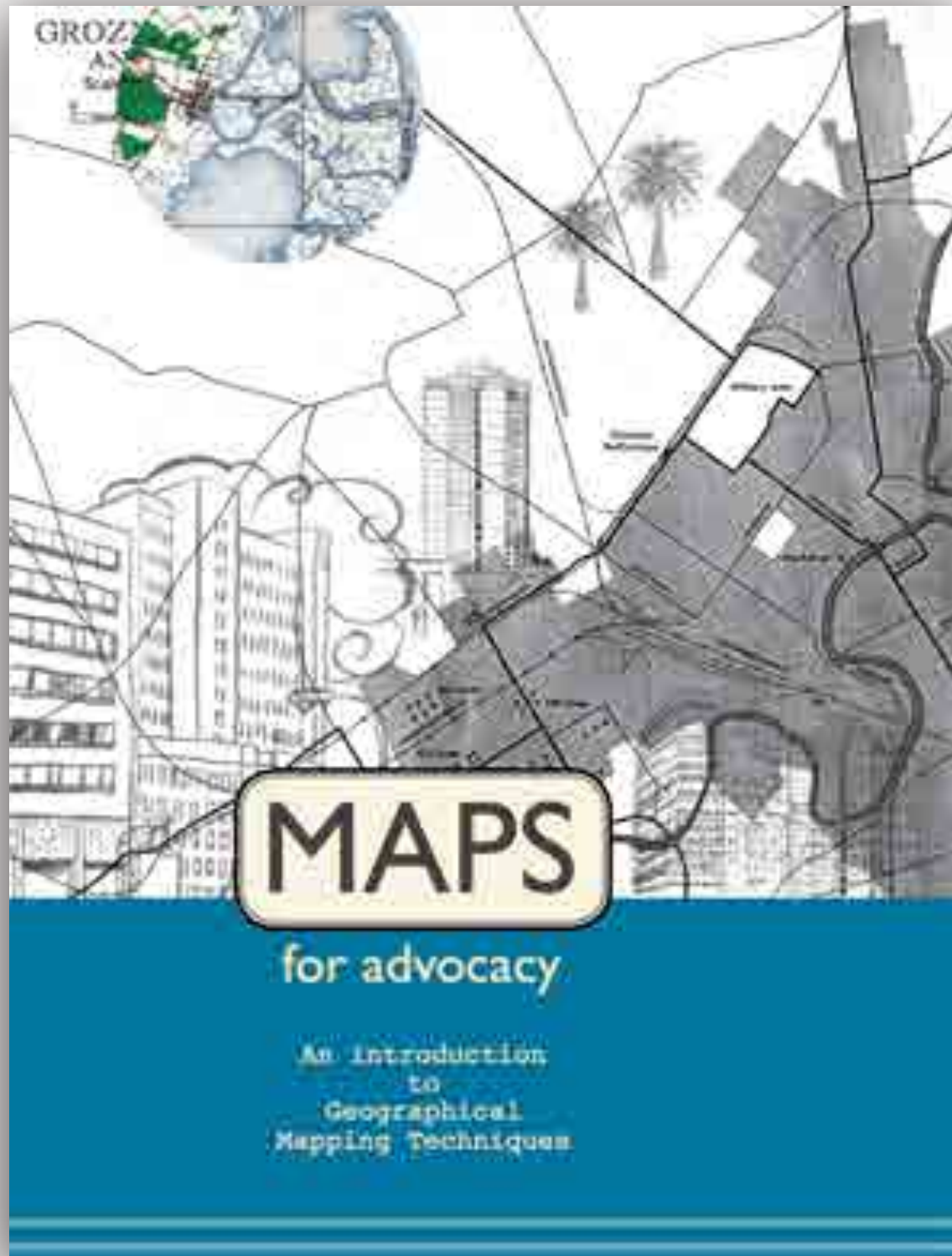


more resources

plot more

maps for advocacy

<https://tacticaltech.org/maps-advocacy>



thank you

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